

IN THE SPECIFICATION

Please amend the paragraphs of the specification as follows:

Please replace paragraph [1002] with the following amended paragraph:

[1002] The present invention is related to the following Applications for Patent in the U.S. Patent & Trademark Office:

“Method and Apparatus for Security in a Data Processing System” by Philip Hawkes et al., having ~~Attorney Docket No. 010497~~ Application No. 09/933,972, filed ~~concurrently herewith~~ August 20, 2001, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

“Method and Apparatus for Out-of-Band Transmission of Broadcast Service Option in a Wireless Communication System” by Nikolai Leung, having ~~Attorney Docket No. 010437~~ Application No. 09/934,021, filed ~~concurrent herewith~~ August 20, 2001, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

“Method and Apparatus for Broadcast Signaling in a Wireless Communication System” by Nikolai Leung, having ~~Attorney Docket No. 010438~~ Application No. 09/933,914, filed ~~concurrently herewith~~ Aug. 20, 2001, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

“Method and Apparatus for Transmission Framing in a Wireless Communication System” by Raymond Hsu, having ~~Attorney Docket No. 010498~~ Application No. 09/933,639, filed ~~concurrently herewith~~ Aug. 20, 2001, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

“Method and Apparatus for Data Transport in a Wireless Communication System” by Raymond Hsu, having ~~Attorney Docket No. 010499~~ Application No. 09/933,977, filed ~~concurrently herewith~~ Aug. 20, 2001, now U.S. Patent No. 6,707,801, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

“Method and Apparatus for Header Compression in a Wireless Communication System” by Raymond Hsu, having Attorney Docket No. 010500, Application No. 09/933,690,

filed ~~concurrently herewith~~ Aug. 20, 2001, and assigned to the assignee hereof, and which is expressly incorporated by reference herein;

Please replace paragraph [1003] with the following amended paragraph:

[1003] The present invention relates to wireless communication systems generally ~~and specifically~~, more specifically, to methods and apparatus for message compression in preparation for transmission in a wireless communication system.

Please replace paragraph [1065] with the following amended paragraph:

[1065] To avoid requiring coordination between the wireless network and CS, the service can use out-of-band channels for transmitting information to the mobile station regarding the protocol options above the IP network layer. FIG. 15 illustrates a broadcast flow according to one embodiment. The horizontal axis represents the topology of the system, i.e., infrastructure elements. The vertical axis represents the time line. At time t1 the MS accesses the out-of-band channel via the BS. Note that the MS may access the network by selecting a packet data service option, such as by using a dedicated packet data service option channel designated as SO 33. Effectively, the MS selects a packet data service option to establish a Real Time Streaming Protocol (RTSP) session with the CS. The MS requests a description of the application and transport protocols used for the broadcast stream from the CS at time t3. Note that in addition to the use of RTSP, the Session Initiation Protocol (SIP) may also be used to request the description of the application and transport protocols. The description is carried via Session Description Protocol (SDP) at time t4. Transmission of the protocol may be performed while the user is accessing the broadcast service. Note that RTSP and SDP are standardized approaches for establishing a uni-directional streaming service in IETF and in 3GPP2. The mobile station will also use a packet data service to request the PDSN to identify the broadcast service header compression protocol and relay any compression initialization information to the mobile station at time t2. In one embodiment, Internet Protocol Control Protocol ~~IPCP~~ IPCP is used to

exchange the header compression information with the mobile station. Similarly, this same mechanism may be extended to provide information for the broadcast stream.

Please replace paragraph [1074] with the following amended paragraph:

[1074] The FBSCH_RATE is the data ~~[[fate]]~~ rate of the forward broadcast supplemental channel, wherein the base station sets this field to the data rate used on the forward broadcast supplemental channel. The FBSCH_FRAME_SIZE is the frame size of the forward broadcast supplemental channel, wherein the base station sets this field to the frame size on the forward broadcast supplemental channel. The FBSCH_FRAME_REPEAT_IND is the Forward Broadcast Supplemental Channel Frame Repeat Indicator, wherein if frame repetition is used on the Forward Broadcast Supplemental Channel, the base station sets this field to '1'; else, the base station sets this field to '0'.

Please replace paragraph [1088] with the following amended paragraph:

[1088] In one embodiment, the SO number corresponds to a fixed set of protocols and parameters, wherein the mapping is known at the CS and at the MS. ~~The a-priori~~ A prior knowledge of the mapping avoids the need to transmit the information, and thus reduces the transmission overhead, i.e., conserves bandwidth. The mappings are stored at the MS, and therefore are not readily changed or updated. If the CS is to use a combination of parameters that have not been previously standardized as a SO number, the standards organization must define a new profile of parameters before this combination of parameters can be used for the broadcast.

Please replace paragraph [1098] with the following amended paragraph:

[1098] When a subscriber to the broadcast service desires to change to another broadcast session, the set-up and/or initiation of the new broadcast session may introduce unacceptable delays to the subscriber. One embodiment provides a memory storage unit at the receiver, wherein at least a portion of the information is stored at the receiver and may be used to quickly

change from one broadcast session, i.e., program, to another, or alternately, may be used to recall a previously accessed broadcast session. FIG. ~~[[23]]~~ 24 illustrates a memory storage 6000 that stores the SPI and SDP corresponding to each broadcast session accessed. The overhead information corresponding to a current broadcast session is stored in memory 6000, wherein the stored information is the last received information. In one embodiment, the memory storage 6000 is a First In First Out (FIFO) memory storage unit. In an alternate embodiment, a cache memory is used. In still another embodiment, a Look Up Table (LUT) stores information relating to accessed broadcast sessions.